

FIG. 1

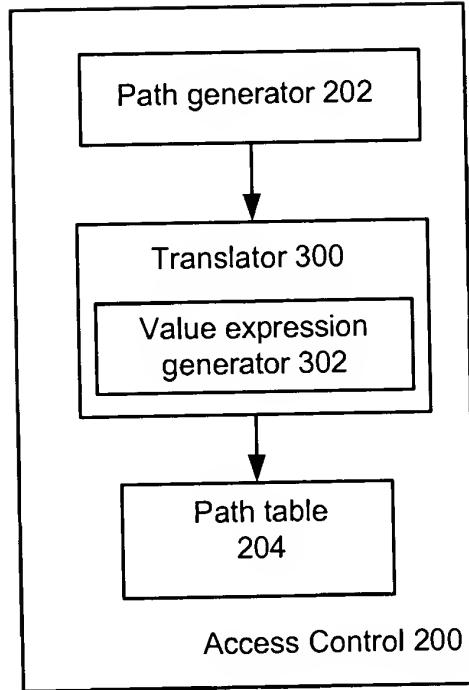


FIG. 2

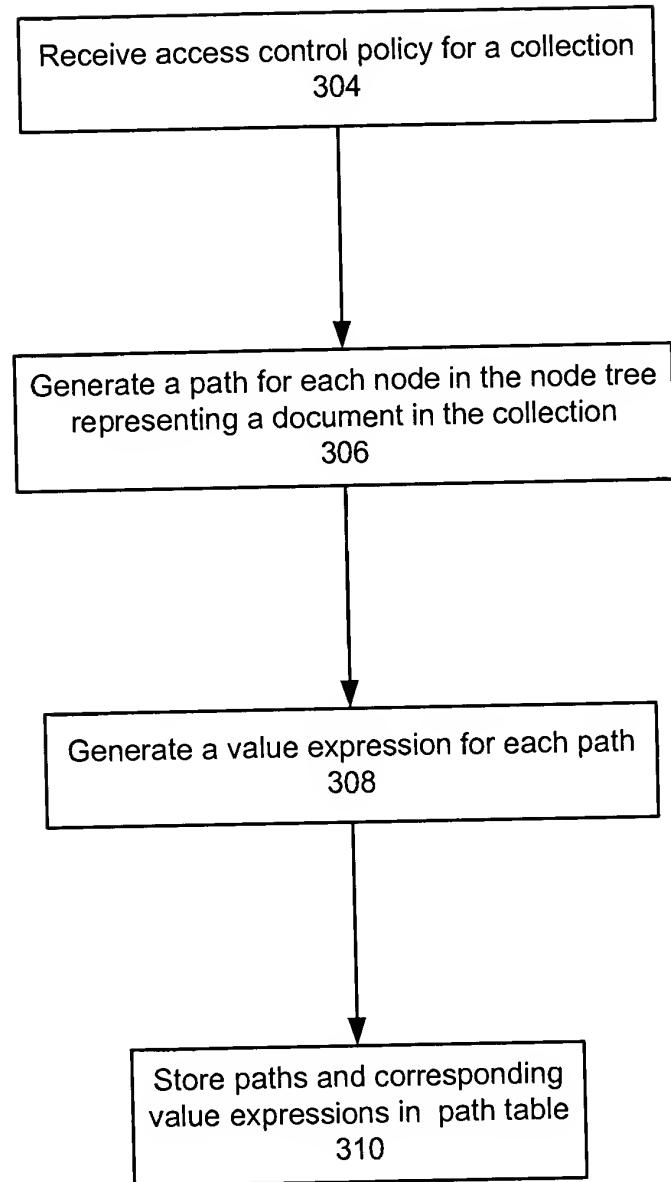


FIG. 3

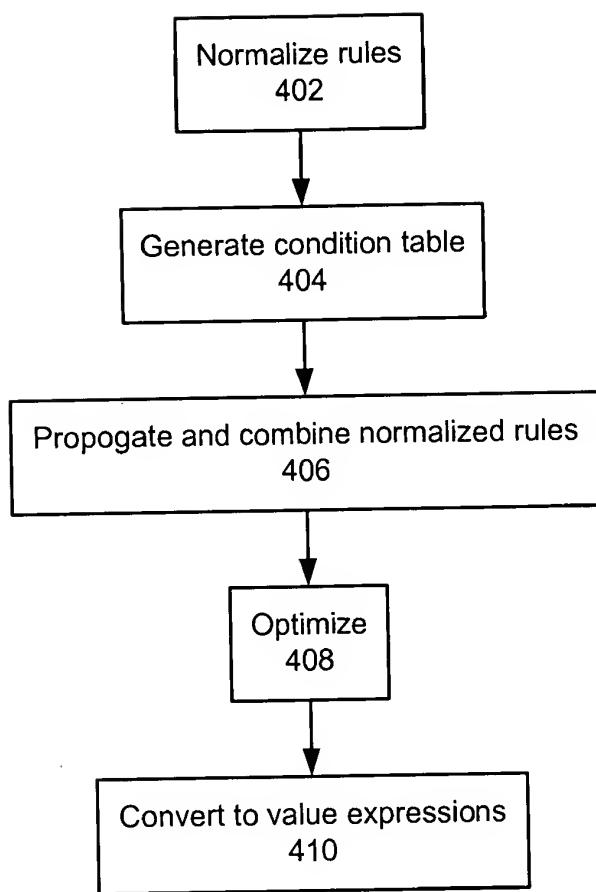


FIG. 4

ConditionID 502	Condition Expression 504
C1	equal(\$Group, Admin) & xpath(/bib/book[@title= "security"])
C2	...

500

FIG. 5

Path 602	Value Expression 604
/bib	[\$User='Murata' or \$User='Seki' or \$User='Tozawa']
/bib/@ver	[\$User='Murata']
/bib/text()	[\$User='Murata' or \$User='Seki']
/bib/book	[(\$User='Murata' or \$User='Tozawa') and not(\$User='Hada')]
/bib/book/text()	[\$User='Murata' and not(\$User='Hada')]
/bib/book/@year	[\$User='Murata' and not(\$User='Hada')]
/bib/book/title	if !p then [ref(1, ..)]
/bib/book/title/text()	if !p then [ref(1, ..)]

600

FIG. 6

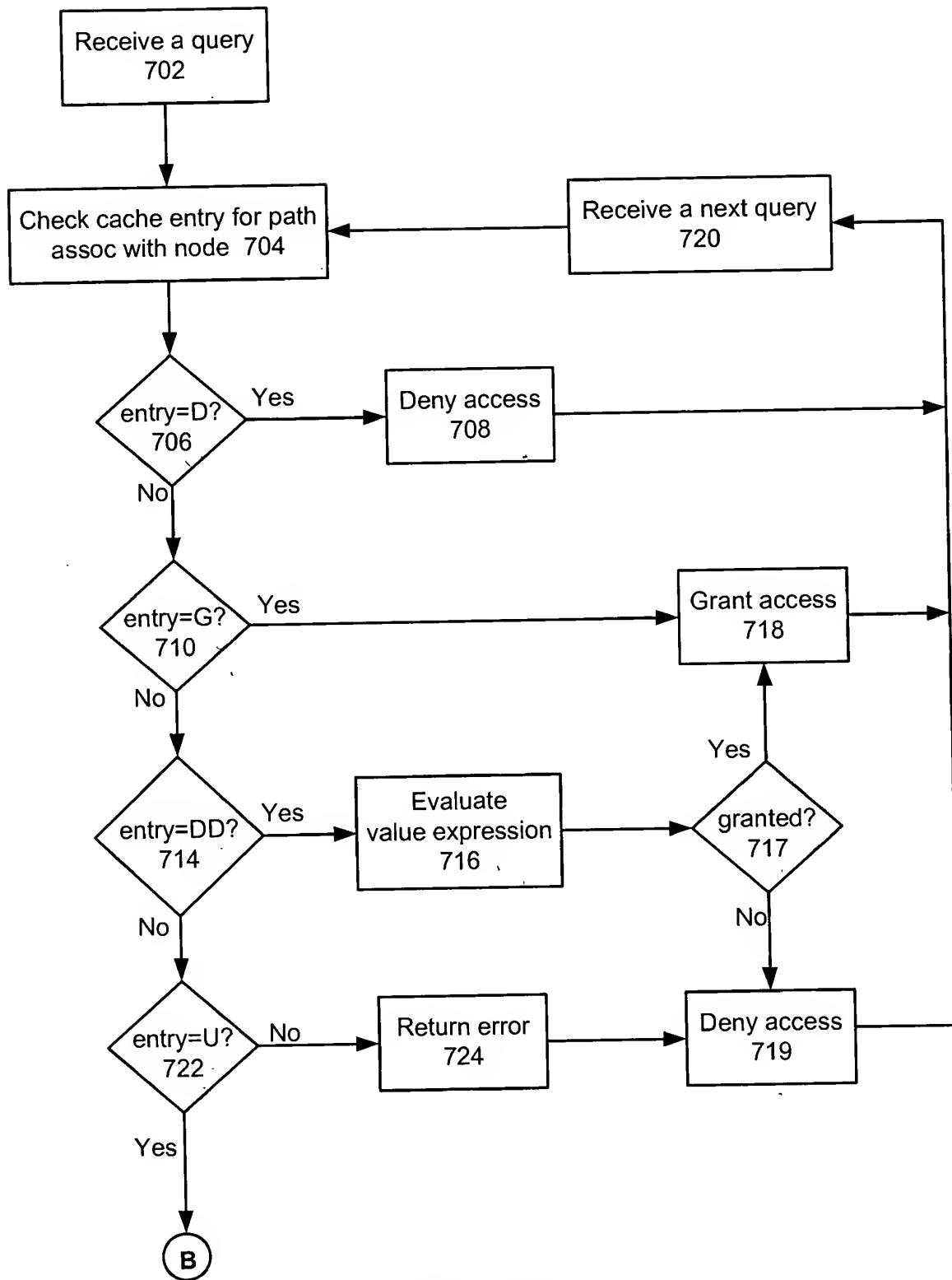


FIG. 7A

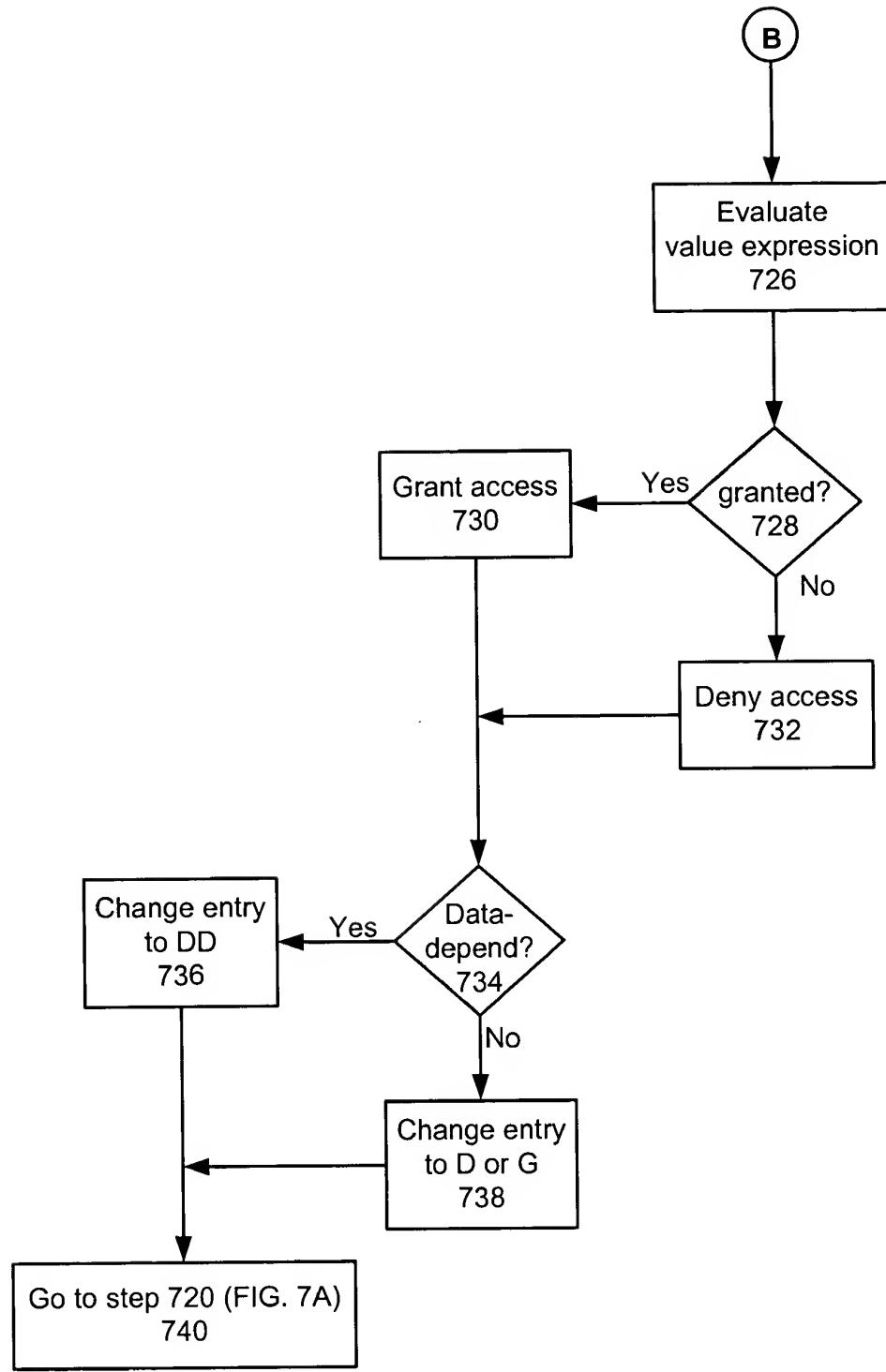


FIG. 7B

Path 802	Cache entry 804
/.../... (806)	G (806a)
/.../... (807)	D (807a)
/.../... (808)	U (808a)
/.../... (809)	DD (809a)

800

FIG. 8